Approved For Release 2005/02/17 : CIA-RDP78B04770A001500030003-1

SECRET

NPIC/TSSG/DED-1124-68
15 March 1968

Declass Review by NGA.

MEMORANDUM FOR: Director, National Photographic Interpretation Center

SUBJECT : Proposed Contract with the [redacted] 25X1

1. This memorandum requests approval for the commitment of funds for an R&D contract. The specific request is contained in paragraph 5.

2. The Mensuration Division of the Imagery Exploitation Group has seven [redacted] Comparators for extracting measurements from imagery, a basic part of the photo interpretation process. Two of these comparators, Model 621's, have only marginal reliability because certain of their components are obsolete. These components are the "digitizing units which convert the comparators' electronic calculations into figures to be read by the operator. Such components cost upward of [redacted] and their replacement would normally require a major expenditure. However, some adequate replacements for the main subcomponents of these digitizers are available in the Center as salvage from equipment which has been surveyed. The Imagery Exploitation Group has requested that the [redacted] 621 Comparators be updated by replacing the original digitizers with this salvaged equipment. 25X1 25X1

3. The main items of equipment required to bring the Model 621 Comparators up to an acceptable performance level again are four display units (two for each comparator) and two control panels. These became available when the Center's [redacted] Comparators became obsolete. Under this proposed project, the [redacted] will supply the additional parts required to convert each comparator, and will perform the actual conversion. This work cannot be done by electronic engineers of the Equipment Performance Staff because they are already working overtime and their work schedules are overfull for the next few months. The work will be performed by the contractor in a single phase, and will be completed within 45 days of the contract date. 25X1 25X1

4. This project resulted from a specific Imagery Exploitation Group request, a copy of which is attached.

5. It is requested that approval be granted to negotiate with the [redacted] for a contract to modify two [redacted] Model 621 Comparators 25X1 25X1

GROUP 1
Excluded from automatic downgrading and declassification

SECRET

Approved For Release 2005/02/17 : CIA-RDP78B04770A001500030003-1

SECRET
Approved For Release 2005/02/17 : CIA-RDP78B04770A001500030003-1

SUBJECT: Proposed Contract with the [redacted] 25X1

and to connect them to Government-furnished digital display units and control panels at a total cost of approximately [redacted] 25X1

25X1 [redacted]

Chief, Technical Services & Support Group, NPIC

Attachments:
R&D Catalog Form
IEG Speed Letter
25X1 [redacted] Proposal
25X1 [redacted]

APPROVED: [redacted] 1 APR 1968
ARTHUR C. LUNDAHL Date
Director
National Photographic Interpretation Center

Distribution:
Original - NPIC/TSSG/SS/IB (After approval)
2 - NPIC/TSSG
2 - NPIC/TSSG/S&PE
1 - NPIC/TSSG/DED

SECRET
Approved For Release 2005/02/17 : CIA-RDP78B04770A001500030003-1

SECRET
Approved For Release 2005/02/17 : CIA-RDP78B04770A001500030003-1

R & D CATALOG FORM

DATE: 14 March 1968

1. PROJECT TITLE/CODE NAME
Improved Digitizer for the Model 621 Comparator

2. SHORT PROJECT DESCRIPTION
Modernize the digitizing systems of two [redacted] 621 comparators 25X1

3. CONTRACTOR NAME
25X1 [redacted]

4. LOCATION OF CONTRACTOR
[redacted]

5. CLASS OF CONTRACTOR
Manufacturer

6. TYPE OF CONTRACT
Fixed Price

7. FUNDS
FY 19 67 $ None
25X1 FY 19 68 [redacted]
FY 19 69 $ None

8. REQUISITION NO.

9. BUDGET PROJECT NO.
NP-P-4-11048

10. EFFECTIVE CONTRACT DATE *(Begin - end)*
1 April 1968 - 30 June 1968

11. SECURITY CLASS.
T - Unclassified
W - Unclassified
AA - Confidential

12. RESPONSIBLE DIRECTORATE/OFFICE/PROJECT OFFICER TELEPHONE EXTENSION
25X1 DDI/NPIC/TSSG, [redacted]

13. REQUIREMENT/AUTHORITY
NPIC/IEG has a requirement for greater reliability in the digitizing systems currently used on [redacted] Model 621 Comparators. 25X1

14. TYPE OF WORK TO BE DONE
Procure, modify and install reliable digitizing equipment on the [redacted] 621 comparators and interfacing it with GFE Standard [redacted] control and display units. 25X1 25X1

15. CATEGORIES OF EFFORT

MAJOR CATEGORY	SUB-CATEGORIES
Measuring Systems	Electronics

16. END ITEM OR SERVICES FROM THIS CONTRACT/IMPROVEMENT OVER CURRENT SYSTEM, EQUIPMENT, ETC.
25X1 This project will result in a [redacted] 621 comparator with reliable digitizing equipment and interfaced to the standardized control panel and digital display units.

17. SUPPORTING OR RELATED CONTRACTS *(Agency & Other)*/COORDINATION
Similar work has been performed on a [redacted] Model 880 Comparator owned by DIA. 25X1

18. DESCRIPTION OF INTELLIGENCE REQUIREMENT AND DETAILED TECHNICAL DESCRIPTION OF PROJECT *(Continue on additional page if required)*
The telecordex digitizing systems presently in use on the [redacted] 621 comparators are old and unreliable. Due to a suspended project, several modern unused [redacted] control panels and digital display units are available. Retrofitting the comparators with 25X1 25X1
25X1 [redacted] Compatible encoders, electronic modules, etc. will allow use of this unused equipment and provide reliable digital output.

19. APPROVED BY AND DATE

OFFICE	DEPUTY DIRECTOR	DDCI

Approved For Release 2005/02/17 : CIA-RDP78B04770A001500030003-1

GROUP 1 Excluded from automatic downgrading and declassification

Approved For Release 2005/02/17 : CIA-RDP78B04770A001500030003-1

25X1

[redacted]

February 6, 1968

U. S. Government

Attn: Mr. Bill K.

Gentlemen:

Our understanding is that your laboratory desires a quotation for the installation of the [redacted] Type H1045 encoder heads and the 15#L42 systems for digital readout of the Type 641-014 and 015 Comparators. We are pleased to quote as follows:

25X1

25X1

Item #1 Assembly and installation of digital readout system for each of the two [redacted] Type 641 Comparators

25X1

[redacted]

Cost breakdown per unit is as follows:

(a) Direct labor

Eng - 4 hrs @ $5 + overhead, G&A and profit
Shop and assembly - 21 hrs @ $3.95/hr plus overhead, G&A and profit
Field engineering service for installation 20 hrs @ $18/hr

[redacted]

25X1

(b) Components and parts

2 - [redacted] Type H1045 encoder heads @ $430 ea
2 - Dynamics Research Type 15EL42 units with mounting box and cables by DWM
(US Gov't to supply two 5-pin pl

25X1

25X1

[redacted]

Approved For Release 2005/02/17 : CIA-RDP78B04770A001500030003-1

Approved For Release 2005/02/17 : CIA-RDP78B04770A001500030003-1

(c) Transportation and per diem
Air fare
Ground transportation
Per diem 1-1/2 days @ $22/day
G&A @ 12.4%

[redacted] 25X1

Delivery will be 30 - 45 days after receipt of order, and all prices are fob [redacted] 25X1 Our terms are net 30 days, and this quotation is firm for a period of 60 days. Overhead rate used in this computation is 140% and the profit 12%.

The additional shop time of that charged for the similar installation of your Type 1210 Comparators is due to the fact that special brackets have to be manufactured for the 621 adaptation.

We trust that the above information is sufficient for your immediate action. If you have any questions, please contact us at your convenience.

Sincerely yours,

[redacted]

ACT/mw

Approved For Release 2005/02/17 : CIA-RDP78B04770A001500030003-1

Approved For Release 2005/02/17 : CIA-RDP78B04770A001500030003-1

SECRET
(When Filled In)

SPEED LETTER

REPLY REQUESTED: [ ] YES [ ] NO

DATE: 26 January 1968

LETTER NO.: 05/68

TO : Chief, TSSG/TDS

ATTN: [redacted] 25X1

FROM: Chief, IEG/MS

1. IEG/Mensuration has on hand several unused [redacted] digitizing component drawers such as 2030 As, 2827 As, 2827 Bs, 2826 Cs, and 4 axis control units. It is planned, as far as possible, to use these units in replacing obsolete Telecordex digitizing units that are now in use but are marginal in reliability. It is requested that a survey be made by your organization as to the costs of making those replacements, electrical modifications that would be necessary and the type of interfacing units (reading heads, etc.) required. 25X1

2. These spare [redacted] units result from the suspended conversion of the [redacted] comparators which now have been removed from [redacted] 25X1 25X1 25X1

[redacted]

REPLY

DATE

SIGNATURE

Approved For Release 2005/02/17 : CIA-RDP78B04770A001500030003-1

RETURN TO ORIGINATOR

FORM 5-61 1831

SECRET